

FORM PTO 948 (REV. 01-97)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No. 515723NOTICE OF DRAFTPERSON'S
PATENT DRAWING REVIEWThe drawing filed (insert date) 5/14/97 are:A. not objected to by the Draftperson under 37 CFR 1.84 or 1.152.B. is objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.
Color drawing are not acceptable until petition is granted.
Fig(s) _____
Pencil and non black ink is not permitted. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)
✓ Photographs are not acceptable until petition is granted.
3 full-tone sets are required. Fig(s) _____
Photographs not properly mounted (must bristol board or photographic double-weight paper). Fig(s) _____
Poor quality (half-tone). Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)
Paper not flexible, strong, white and durable.
Fig(s) _____
Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)
Mylar, vellum paper is not acceptable (too thin).
Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
21.0 cm by 29.7 cm (DIN size A4)
21.6 cm by 27.9 cm (8 1/2 x 11 inches)
All drawings sheets not the same size.
Sheet(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
Margins not acceptable. Fig(s) _____
Top (T) _____ Left (L) _____
Right (R) _____ Bottom (B) _____
6. VIEWS. CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes.
Views connected by projection lines or lead lines.
Fig(s) _____
Partial views. 37 CFR 1.84(h)(2)
Brackets needed to show figure as one entity.
Fig(s) _____
Views not labeled separately or properly.
Fig(s) _____
Enlarged view not labeled separately or properly.
Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
Matching not indicated for sectional portions of an object.
Fig(s) _____
Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____
8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig(s) _____
Views not on the same plane on drawing sheet. Fig(s) _____
9. SCALE. 37 CFR 1.84(k)
Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction.
Fig(s) _____
10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
✓ Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).
Fig(s) 2A, 3, 4B, 4M
11. SHADING. 37 CFR 1.84(m)
Solid black areas pale. Fig(s) _____
Solid black shading not permitted. Fig(s) _____
Shade lines, pale, rough and blurred. Fig(s) _____
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
✓ Numbers and reference characters not plain and legible.
Fig(s) 1, 2, 6B
Figure legends are poor. Fig(s) _____
Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) _____
English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) _____
Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____
13. LEAD LINES. 37 CFR 1.84(q)
Lead lines cross each other. Fig(s) _____
Lead lines missing. Fig(s) _____
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(r)
Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) _____
15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
16. CORRECTIONS. 37 CFR 1.84(w)
Corrections not made from PTO-948 dated _____
17. DESIGN DRAWINGS. 37 CFR 1.152
Surface shading shown not appropriate. Fig(s) _____
Solid black shading not used for color contrast.
Fig(s) _____

COMMENTS

REVIEWER TAUDATE 9/4/97TELEPHONE NO. 703 305 9101

ATTACHMENT TO PAPER NO. _____

FORM PTO 948 (REV. 01-97)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No. 615323NOTICE OF DRAFTERPERSON'S
PATENT DRAWING REVIEWThe drawing filed (insert date) 5/14/97 are:A. not objected to by the Draftperson under 37 CFR 1.84 or 1.152.B. 1 objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
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Fig.(s)
 Pencil and non black ink is not permitted. Fig(s)

2. PHOTOGRAPHS. 37 CFR 1.84(b)

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 3 full-tone sets are required. Fig(s)
 Photographs not properly mounted (must be on board or photographic double-weight paper). Fig(s)
 Poor quality (half-tone). Fig(s)

3. TYPE OF PAPER. 37 CFR 1.84(c)

 Paper not flexible, strong, white and durable.
Fig(s)
 Erasures, alterations, overwritings, interlineations,
folds, copy machine marks not acceptable. (too thin)
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Fig(s)

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

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SIZE: A4 Size
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
 Margins not acceptable. Fig(s)
 Top (T) Left (L)
 Right (R) Bottom (B)

6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

 Views connected by projection lines or lead lines.
Fig(s)

Partial views. 37 CFR 1.84(h)(2)

 Brackets needed to show figure as one entity.
Fig(s)

 Views not labeled separately or properly.
Fig(s)

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Roman numbers. Fig(s)

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page is either upright or turned, so that the top becomes the right
side, except for graphs. Fig(s)
 Views not on the same plane on drawing sheet. Fig(s)

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when drawing is reduced in size to two-thirds in reproduction.
Fig(s)

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clean, durable and black (poor line quality).
Fig(s) 2A, 3, 4B, 4M

11. SHADING. 37 CFR 1.84(m)

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 Solid black shading not permitted. Fig(s)
 Shade lines, pale, rough and blurred. Fig(s)

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
37 CFR 1.48(p)

 1 Numbers and reference characters not plain and legible.
Fig(s) 1, 2A, 3, 4B
 Figure legends are poor. Fig(s)
 Numbers and reference characters not oriented in the same
direction as the view. 37 CFR 1.84(p)(3) Fig(s)
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 Numbers, letters and reference characters must be at least
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13. LEAD LINES. 37 CFR 1.84(q)

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 Lead lines missing. Fig(s)

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)

 Sheets not numbered consecutively, and in Arabic numerals
beginning with number 1. Fig(s)

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

 Views not numbered consecutively, and in Arabic numerals,
beginning with number 1. Fig(s)

16. CORRECTIONS. 37 CFR 1.84(w)

 Corrections not made from PTO-948 dated

17. DESIGN DRAWINGS. 37 CFR 1.152

 Surface shading shown not appropriate. Fig(s)
 Solid black shading not used for color contrast.
Fig(s)

COMMENTS

REVIEWER JANU DATE 9/4/97 TELEPHONE NO. 303 305 5101 ATTACHMENT TO PAPER NO.